

Practice: 575 - Trails and Walkways**Scenario: #1 - Earthfill Walkway, 4 Ft high or less****Scenario Description:**

Layout and construct a lane or travel way of earthfill four feet high or less. Walkway will facilitate animal movement, to provide or improve access to forage, water, working/handling facilities, and/or shelter, Improve grazing efficiency and distribution, and/or protect ecologically sensitive, erosive and/or potentially erosive sites and address soil erosion and water quality resource concerns. Costs include Earthfill, shaping, grading, and all equipment, labor and incidental materials necessary to install the practices.

Before Situation:

On farmstead area and pastureland and rangeland areas where control of animal movement is needed to address soil erosion, forage availability, and water quality resource concerns.

After Situation:

The typical trail or walkway will be a 12 foot wide 200 foot long, with an average fill height of 3 feet. All excavation, earthfill, grading and shaping necessary to provide a smooth permanent travel surface for livestock. No surface materials are included with this practice. If the lane is vegetated and requires planting, the vegetation shall be planted according to Critical Area Planting, Code 342. Where vegetation is not practical, Heavy Use Area Protection, Code 561, shall be used to provide adequate surface protection. Structure for Water Control, Code 587, will be used when the trail or lane crosses water areas. Consider the use of water bars or culverts to control and direct water flow. Fencing, Code 382, will be used when needed to control animal movement.

Scenario Feature Measure: Length of Walkway created

Scenario Unit: Linear Foot

Scenario Typical Size: 200

Scenario Cost: \$2,121.19

Scenario Cost/Unit: \$10.61

Cost Details (by category):

Component Name	ID	Component Description	Unit	Price (\$/unit)	Quantity	Cost
Equipment/Installation						
Dozer, 140 HP	927	Track mounted Dozer with horsepower range of 125 to 160. Equipment and power unit costs. Labor not included.	Hour	\$125.42	9	\$1,128.78
Labor						
Equipment Operators, Heavy	233	Includes: Cranes, Hydraulic Excavators >=50 HP, Dozers, Paving Machines, Rock Trenchers, Trenchers >=12", Dump Trucks, Ag Equipment >=150 HP, Scrapers, Water Wagons.	Hour	\$25.06	11	\$275.66
General Labor	231	Labor performed using basic tools such as power tool, shovels, and other tools that do not require extensive training. Ex. pipe layer, herder, concrete placement, materials spreader, flagger, etc.	Hour	\$17.44	11	\$191.84
Skilled Labor	230	Labor requiring a high level skill set: Includes carpenters, welders, electricians, conservation professionals involved with data collection, monitoring, and or record keeping, etc.	Hour	\$24.27	11	\$266.97
Mobilization						
Mobilization, medium equipment	1139	Equipment with 70-150 HP or typical weights between 14,000 and 30,000 pounds.	Each	\$257.94	1	\$257.94

Practice: 575 - Trails and Walkways**Scenario: #2 - Earthfill Walkway, Higher than 4 Ft.****Scenario Description:**

Layout and construct a lane or travel way of earthfill greater than four feet high. Walkway will facilitate animal movement, to provide or improve access to forage, water, working/handling facilities, and/or shelter. Improve grazing efficiency and distribution, and/or protect ecologically sensitive, erosive and/or potentially erosive sites and address soil erosion and water quality resource concerns. Costs include Earthfill, shaping, grading, and all equipment, labor and incidental materials necessary to install the practices.

Before Situation:

On farmstead area and pastureland and rangeland areas where control of animal movement is needed to address soil erosion, forage availability, and water quality resource concerns.

After Situation:

The typical trail or walkway will be a 12 foot wide 300 foot long, with an average fill height of 6 feet. All excavation, earthfill, grading and shaping necessary to provide a smooth permanent travel surface for livestock. No surface materials are included with this practice. If the lane is vegetated and requires planting, the vegetation shall be planted according to Critical Area Planting, Code 342. Where vegetation is not practical, Heavy Use Area Protection, Code 561, shall be used to provide adequate surface protection. Structure for Water Control, Code 587, will be used when the trail or lane crosses water areas. Consider the use of water bars or culverts to control and direct water flow. Fencing, Code 382, will be used when needed to control animal movement.

Scenario Feature Measure: Length of walkway

Scenario Unit: Linear Foot

Scenario Typical Size: 300

Scenario Cost: \$7,118.13

Scenario Cost/Unit: \$23.73

Cost Details (by category):

Component Name	ID	Component Description	Unit	Price (\$/unit)	Quantity	Cost
Equipment/Installation						
Dozer, 140 HP	927	Track mounted Dozer with horsepower range of 125 to 160. Equipment and power unit costs. Labor not included.	Hour	\$125.42	35	\$4,389.70
Labor						
Equipment Operators, Heavy	233	Includes: Cranes, Hydraulic Excavators >=50 HP, Dozers, Paving Machines, Rock Trenchers, Trenchers >=12", Dump Trucks, Ag Equipment >=150 HP, Scrapers, Water Wagons.	Hour	\$25.06	37	\$927.22
General Labor	231	Labor performed using basic tools such as power tool, shovels, and other tools that do not require extensive training. Ex. pipe layer, herder, concrete placement, materials spreader, flagger, etc.	Hour	\$17.44	37	\$645.28
Skilled Labor	230	Labor requiring a high level skill set: Includes carpenters, welders, electricians, conservation professionals involved with data collection, monitoring, and or record keeping, etc.	Hour	\$24.27	37	\$897.99
Mobilization						
Mobilization, medium equipment	1139	Equipment with 70-150 HP or typical weights between 14,000 and 30,000 pounds.	Each	\$257.94	1	\$257.94